DOCUMENT RESUME

ED 037 100 64 EM 007 927

AUTHOR Carpenter, C. R.
TITLE Selected Bibliography of Summarizing and Capstone Reports No. I. The Conditions, Requirements and Variables Affecting the Quality of Complex Learning Mediated by Instructional Television Systems.
INSTITUTION Pennsylvania State Univ., University Park. Dept. of Psychology.
SPONS AGENCY Office of Education (DHEW), Washington, D.C. Bureau of Research.
BUREAU NO BR-7-1142
PUB DATE 10 Jun 68
CONTRACT OEC-1-7-071142-4372
NOTE 7p.

EDRS PRICE EDRS Price MF-$0.25 HC-$0.45
DESCRIPTORS *Bibliographies, *Instructional Media, *Instructional Television

ABSTRACT

Forty-eight reports published between 1962 and 1969 are presented in this unannotated bibliography. These reports were selected for the use of the Commission on Instructional Technology in its examination of the conditions, requirements, and variables affecting the quality of complex learning mediated by instructional television systems. (EM 007 926, EM 007 928, and EM 007 929 are related documents.) (SP)

ED037100

SELECTED BIBLIOGRAPHY No. 1

for the

COMMISSION ON INSTRUCTIONAL TECHNOLOGY

EM 007 927

ED037100

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

SELECTED BIBLIOGRAPHY

OF

SUMMARIZING AND CAPSTONE

REPORTS

No. I

THE CONDITIONS, REQUIREMENTS AND VARIABLES AFFECTING THE QUALITY OF COMPLEX LEARNING MEDIATED BY INSTRUCTIONAL TELEVISION SYSTEMS

Contract: OEC-1-7-071142-4372

Project Director

C. R. Carpenter
Research Professor
Psychology and Anthropology
The Pennsylvania State University

June 10, 1968

EM007827

SELECTED BIBLIOGRAPHY

Bowen, Howard R. (Chm.). Technology and the American economy. Report of the National Commission on Technology, Automation, and Economic Progress, January 29, 1966. 210 p.

Briggs, Leslie J., Peggie L. Campeau, Robert M. Gagne, Mark A. May. Instructional media: A procedure for the design of multi-media instruction; a critical review of research and suggestions for future research. American Institute for Research, Monograph No. 2, Instructional Methods Program of the Center for Research and Evaluation in Applications of Technology in Education, U.S. Department of Health, Education and Welfare, Office of Education, December 1966. 176 p.

Briggs, Leslie J. Sequencing of instruction in relation to hierarchies of competence. American Institutes for Research, Final Report, Contract No. OEC-1-7-071070-3771, U.S. Department of Health, Education and Welfare, Office of Education, Bureau of Research, October 1967. 103 p.

Bushnell, Don D., Dwight W. Allen. The Computer In American Education. New York: John Wiley and Sons, Inc., 1967. 300 p.

Carpenter, C. R., L. P. Greenhill. Comparative research on methods and media for presenting programed courses in mathematics and english. Pennsylvania State University, Grant No. 736116, U.S. Department of Health, Education and Welfare, Office of Education, March 1963. 74 p.

Cooper, Bernard (Ed.). Instructional television fixed service...what it is...how to plan. The Division of Educational Technology, National Education Association, Washington, D.C., 1967. 58 p.

Daniel, Lark O., Charles J. McIntyre. The application of behavioral principles to the production and use of televised instruction, 1967. 107 p.(manuscript)

Daniel, Lark O. Toward the application of behavioral principles to educational-instructional television. Instructional Division Monograph, Issue 5, Instructional Media Research Unit, Purdue University, February 1967. pp. 17-30.

Davis, Robert H., F. Craig Johnson. Evaluation of regular classroom lectures distributed by CCTV to campus and dormitory classrooms: Final report. Educational Development Program, Michigan State University, 1966. 50 p.

Fund for the Advancement of Education. Four case studies of programed instruction. U.S. Department of Health, Education and Welfare, Office of Education, June 1964. 94 p.

Glaser, Robert. The program for individually prescribed instruction. Working Paper 2, Learning Research and Development Center, University of Pittsburgh, Contract OE-3-16-043, U.S. Department of Health, Education and Welfare, Office of Education. A paper presented at the American Educational Research Association Meetings, February 17, 1966. 5 p.

Glaser, Robert (Ed.). Teaching Machines and Programed Learning, II. Department of Audio-Visual Instruction, National Education Association, Washington, D.C., 1965. 831 p.

Glaser, Robert, James Reynolds, Margaret Fullick, C. M. Lindvall, Richard Carson & James Hawker. Studies of the use of programmed instruction in the classroom. Technical Report 1, Learning Research and Development Center, University of Pittsburgh, Contract Nos. OE-2-10-057 and OE-4-10-158, U.S. Department of Health, Education and Welfare, Office of Education, May 1966. 182 p.

Hickey, Albert E., John M. Newton. Computer-assisted instruction: A survey of the literature, 2nd Edition. Prepared under Office of Naval Research, Contract Nonr 4757(00), Project NR 154-254, Entelik Inc., Newburyport, Massachusetts, January 1967. 46 p.

Institute for Communication Research, Stanford University. Educational television: The next ten years. A report and summary of major studies on the problems and potential of educational television, U.S. Office of Health, Education and Welfare, Office of Education, 1962. 375 p.

Johnson, B. Lamar. (Ed.). Systems approaches to curriculum and instruction in the open-door college. A report of a conference held by the University of California, the American Association of Junior Colleges, and the Accrediting Commission for Junior Colleges of the Western Association of Schools and Colleges, Los Angeles, July 18-20, 1966. Occasional Report No. 9, Junior College Leadership Program, School of Education, University of California, Los Angeles, January 1967. 76 p.

Joint Economic Committee. Technology in education. Hearings before the Subcommittee on Economic Progress, Congress of the United States, Eighty-Ninth Congress, 2nd Session, June 6, 10, and 13, 1966. 273 p.

Jones, J. Charles. Learning theory and instruction. Seminar on learning and television. National Association of Educational Broadcasters National Project for the Improvement of Televised Instruction, 1966. 92 p.

Kahn, Herman, Anthony J. Wiener. The Year 2000: A Framework for Speculation on the Next Thirty-Three Years. New York: MacMillan Company, 1967. 431 p.

Kentucky Authority for Educational Television and Kentucky Area Development Office. Appalachian regional communications system: A plan to open Appalachia to educational development. A report prepared for the Temporary Ad Hoc Appalachia Broadcast Committee of the National Association of Educational Broadcasters. 34 p.

Kessler, W. J. Fundamentals of television systems. Seminar on Learning and Television, NAEB National Project for the Improvement of Televised Instruction, 1966. 63 p.

Lanier, Vincent (Ed.). Final report of the uses of newer media in art education project. NDEA Project No. 5-16-027, National Art Education Association, U.S. Office of Education, August 1966. 94 p.

Lumsdaine, Arthur A. Assessing the effectiveness of instructional programs. In, Robert Glaser (Ed.), Teaching Machines and Programmed Learning, II. Department of Audiovisual Instruction, National Education Association, Washington D.C., 1965, pp. 267-320.

Margolin, Joseph B., Marion R. Misch. Education in the seventies. Educational Policy Project, The Program of Policy Studies, The George Washington University, Final Report, Grant No. OEC 2-7-070400-2833, United States Department of Health, Education and Welfare, Office of Education, Bureau of Research, Autumn 1967. 326 p.

May, Mark A. Enhancements and simplifications of motivational and stimulus variables in audiovisual instructional materials. Interim Report Project No. 5-0999, Contract No. OE-5-16-006, U.S. Department of Health, Education and Welfare, Office of Education, Bureau of Research, July 10, 1965. 109 p.

May, Mark A. The role of student response in learning from the new educational media: Final report. U.S. Department of Health, Education, and Welfare, Office of Education, August 1966. 36 p.

May, Mark A. Word-picture relationships in audiovisual presentations. Interim Report. Project No. 5-0999, Contract No. OE-5-16-006, U.S. Department of Health, Education and Welfare, Office of Education, Bureau of Research, July 10, 1965. 115 p.

McIntyre, Charles J., John B. Haney. Planning for instructional resources at a rapidly growing urban university, University of Illinois, 1967. 70 p.

McKeegan, Hugh (Organizer). Media and individualized instruction. Faculty Seminars of the Bucknell University and the U.S. Office of Education on Using Educational Media to Individualize College Instruction, Bucknell University, Lewisburg, December 7, 8, 1967.

Meierhenry, Wesley C. (Ed.). Media and educational innovation. A symposium on identifying techniques and principles for gaining acceptance of research results of use of newer media in education. University of Nebraska, Contract No. 3-16-039, U.S. Department of Health, Education and Welfare, Office of Education, 1964. 445 p.

Miller, James G. Educom: Interuniversity communications council. Report of the Conference on Educational Communication, Duke University, April 1966, pp. 1-19.

National Association of Educational Broadcasters. A plan for the development and use of radio, television and other communication services to meet statewide educational needs and objectives in Iowa. Office of Research and Development, National Association of Educational Broadcasters, Washington D.C., 1966. 99 p.

Nebraska State Government. Telecommunications for state government operations. Report of the Special State Study Committee on Telecommunications for Nebraska State Government, January 1967. 77 p.

President's Science Advisory Committee. Computers in higher education. Report of the President's Science Advisory Committee, Washington D.C., February 1967. 79 p.

Quinn, Paul L. (Dir.). U.S. Naval Academy feasibility and appreciation study of remote terminal on-line computing in education. Office of Naval Research, Academic Computing Center, U.S. Naval Academy, October 1966. 150 p.

Schenkken, R. F. The regional educational television center as a production facility. In, A regional approach to educational televised programming: A conference report. Southern Regional Education Board, 1963, pp. 50-54..

Schramm, Wilbur, Philip H. Coombs, Friedrich Kahnert & Jack Lyle. The New Media: Memo to Educational Planners. UNESCO: International Institute for Educational Planning, 1967. 175 p.

Schueler, Herbert, Gerald S. Lesser & Allen L. Dobbins. Teacher Education and the New Media. Washington D.C.: The American Association of Colleges for Teacher Education, 1967. 96 p.

Smith, Robert G. The design of instructional systems. Technical Report 66-18, The George Washington University Human Research Office. Contract DA 44-188-ARO-2, Chief of Research and Development, Department of the Army, November 1966. 85 p.

Southern Regional Educational Board. A regional approach to educational television programming: A conference report. Fort Lauderdale, December 4, 5, 6, 1963. 80 p.

Southern Regional Education Board. TV and higher education: 10 examples in the South. U.S. Department of Health, Education and Welfare, Office of Education, 1966. 32 p.

Subcommittee on Economic Progress of the Joint Committee of Congress of the United States. Automation and technology in education: A report. Washington D.C.: U.S. Government Printing Office, 1966. 11 p.

Travers, Robert, M. W., et. al. Studies related to the design of audio-visual teaching materials. Final Report, Contract No. 3-20-003, U.S. Department of Health, Education and Welfare, Office of Education, May 1966. 269 p.

Twyford, Loran C. Educational communications media. Encyclopedia of Educational Research. January, 1969 (anticipated). 29 p.

UNESCO: International Institute for Educational Planning. New Educational Media in Action: Case Studies for Planners - I. Sponsored by U.S. Agency for International Development, 1967. 203 p.

UNESCO: International Institute for Educational Planning. New Educational Media in Action: Case Studies for Educational Planning - II. Sponsored by U.S. Agency for International Development, 1967. 226 p.

UNESCO: International Institute for Educational Planning. New Educational Media in Action: Case Studies for Planners - III. Sponsored by U.S. Agency for International Development, 1967. 197 p.

Washington County Closed Circuit Television Report. Harlacher and Co., Washington County, Maryland, 1963. 80 p.